_\$2

PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	LLL LLL LLL LLL LLL LLL LLL LLL LLL LL	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR		<pre>LLL LLL LLL LLL LLL LLL LLL LLL LLL LL</pre>
PPP PPP		RRR RRR RRR RRR	††† †*†	

PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP			000000 00 00 00 00	\$	EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
LL	\$				

PL

• • • •

37

57

 Page

(1)

.title pli\$close - pl1 runtime close file .ident /1-004/

: Edit DSB1004 ; Edit CGN1003 ; Edit WHM1002

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VAX/VMS PL1 runtime library. abstract:

This module contains the pl1 runtime routine for closing a file.

author: c. spitz 18-jul-79

modified:

1-002 29-September-1982 Bill Matthews

Invoke macros \$defdat and rtshare instead of \$defopr and share.

1-003 Chip Nylander 23-February-1983

> Add new optional parameter to PLI\$CLOSE. If parameter is present, it specifies the severity level at which to signal errors.

1-004 Dave Blickstein 26-March-1984

Change calls to LIB\$FREE_VM to specify only the actual number

facility:

PL1

(1)

Page

58 59 60

61

62 64

80 81 82

0000 0000 0000

0000

0000

0000 0000

0000 65 external definitions 0000 **S**deffcb \$defpl1rtcons \$defkcb \$defenv Stabdef 0000 Snamdef 0000 0000 0000 local data 0000

rtshare

I 14

;define file control block offsets ;define pl1 runtime constants ;define key control block offsets ;define environment block offsets ;define fab offsets :define nam offsets

;sharable

```
0000
0000
0000
                                         85
88
88
88
90
91
                                               pli$close -- close a file
                               0000
                               0000
                                               functional description:
                               0000
                               0000
                                               This routine closes a pl1 file. The syntax of a close statement is:
                               0000
                                                      CLOSE FILE(file-ref):
                                         93
93
                               0000
                               0000
                                               induts:
                                         94
                               0000
                                                       (ap) = number of arguments (1)
                                         95
                               0000
                                                      4(ap) = address of the fcb for this file
                               0000
                                                      8(ap) = address of the environment option
                                         97
                               0000
                                                     12(ap) = severity level at which to signal errors
                               0000
                                         98
                                         99
                               0000
                                               outputs:
                               0000
                                                      the fcb is updated to reflect the closed status of the file.
                                        101
                               0000
                                                      an rms close is issued, the file block is deallocated, and the
                                       102
                               0000
                                                      fcb is removed from the open fcb list.
                               0000
                               0000
                                       104
                               0000
                        COFC
                                       105
                                                       .entry pli$close.^m<r2.r3.r4.r5.r6.r7>
                               0002
                               0002
                                        107
                                            ; check argument
                                        108;
                               0002
                               0002
                                        109
                          D5
                                                                (ap)
                                                      tstl
                                                                                             ; if no parameters
                          14
                    00
                               0004
                                        110
                                                      bgtr
                          D4
                               0006
                                        111
                                                      c[rl
                                                                                             ; indicate no fcb
                                       112
   50
         00000000'8F
                          D0
                               0008
                                                                #pli$_parm,r0
                                                      movl
                                                                                             :set invalid parameters
                  0097
                          31
                               000F
                                                                50$
                                                      brw
                                                                                             and fail:
                               0012
0012
0012
                                       115; if file opened, close it.
                                       116
                                                               ;get address of fcb #atr_v_opened,fcb_l_attr(r2),20$;if file opened 110$
                                       117 10s:
                               0012
                04 AC
                                                      movl
       03 OC A2
                          EG
31
                   01
                               0016
                                       118
                                                      bbs
                  0100
                               001B
                                        119
                                                      brw
                                       120 20$:
121
122
123
124
125
126
127
         00020002 8F
                               001E
                                                                #<atr_m_opened!atr_m_bfall>,- ;set file not opened and
                          CA
                                                      bicl
                                                               fcb_l_aftr(r2)
fcb_b_fab(r2),r3
#<atr_m_record! -
                               0024
                 OC A2
                                                                                             ;buffer not allocated
                          9E
03
              00A6 C2
                               0026
                                                      movab
                                                                                             ;get address of fab
         00001040 8F
OC A2
                               002B
                                                      bitl
                                                                                              ;if record
                               0033
                                                                atr_m_input>,fcb_l_attr(r2) ;or input
      05 OC A2 Ur
34 A2
07
                          12
E1
                               0033
                                                                30$
                                                      bnea
                                                                                              then cont
                                                                #atr_v_print,fcb_l_attr(r2),25$;if not print, cont
fcb_l_prn(r2) ;any carriage control pendir
                               0035
                                                      bbc
                          D5
12
                               003A
                                                      tstl
                                                                                             ;any carriage control pending?
                                                                ;if neq, yes, print it
fcb_l_buf(r2),fcb_l_buf_pt(r2);if buf empty
                               003n
                                       128
129 25$:
130
131 26$:
132
133
134
135 30$:
136
137
138
139
140
                                                      bneg
                          D1
13
       1C A2
                               003r
               14
                                                      cmpl
                    0E
                               0044
                                                      begl
                                                                                             ;then cont
                          DD
                               0046
                                                      oushl
                                                                                             ;save ap
                          DO
                               0048
                                                                                             set fcb addr in ap
                                                      movl
         00000000 GF
                          16
                                                                g^pli$$put_rec
                               004B
                                                                                             ; put the last record
                                                      jsb
                    5 C
                        8ED0
                               0051
                                                                                             ;restore ap
                                                      popl
                                                                ap
                               0054
0057
              02
                    6C
36
                                                                (ap),#2
                          D1
19
D5
13
C7D
                                                      cmpl
                                                                                             ;close environment?
                                                                                             ; if lss, no
                                                      blss
                               0059
005C
005E
                 80
                    AC
                                                                8(ap)
                                                                                             ;anything there?
                                                      tstl
                    31
22
52
                                                      begl
                                                                                             ; if eql, no
              5€
56
                                                                                             ;get room for any block
                                                      subl
                                                                #env_k_len.sp
                               0061
                                                                r2,r8
                                                      MOVO
                                                                                             :save fcb and tab addr
```

```
6E
6E
     22
           00000040
      6E
      0000000'GF
           00000000
            08 A2
               51
           00000000
               03
            00
       03
  6E
      00000000 GF
           000000018F
```

PLISCLOSE

1-004

11 00CD 167 **D3** OOCF 168 OOCF 169 170 00CF 14 A2 27 D5 13 OOCF 172 173 0002 EŌ 3C 00 00D4 00D9 174 11 175 03 OODD 176 DD OODF 177 14 A2 DF 00E2 00E5 178 DF AE 02 179 FB 00E8 CO E9 04 00EF 180 50 00F2

- pl1 runtime close file

142

144

146

148

149

154

155

156

157

158

159

160

161

162

164

165

166

37\$:

405:

50\$:

53\$:

55\$:

60\$:

75\$:

805:

2C 7D C8

DD

DD DD 9F 9F 9F

FB E8 04

E8

DŎ

DO

D0

DD

DD

DD

D1

19

FÔ

FB

04

DO

80

80

ŎŠ

ŎŠ.

01

AE

AE

06

8F

50

52

60

0C

2A

18

04

D1

14

18

30

38

04

A2 38

02

50

A2

51

5E

0101

5E

23 OC Å2 38

5A 30 60

ŽĒ.

0000000°GF

7E

0000' 00'G5

0064 006A

006D 0074

0076 0079 007B 007E

0081 0084

008B 008E

008F

0098

009B

00A2

00A6

00A9

00AB

OOAD

00B3

00B6

00B8

00BE

00C5

0006

181 **VS VS D4 UOF 5** 182 04 94 00f8 184 OOFB E1 10 OOFF 185 186 187 188 189 D5 13 0104 0107 9A C5 0109 010D DF **A2** 0111 AE

190 DF 0114 191 0117 192 FB CO E9 193 011E 0121 0124 0127 194 195 **D4** 196 0127

clrb ppc tstl 855 beql movzbl mull3 pushal 4(sp) pushal

#2,g^lib%free_vm calls #4.5p r0,55\$ addl2 blbc clrl fcb_l_kcb(r2)

K 14

r6.r2

8(ap)

8(sp)

8(sp)

8(sp)

r0.60\$

r2,r1

40\$

805

4(sp)

#4.sp r0.55\$

r2

r3

movc5

movq

bisl

pushl

bushl

pushl

pushab

pushab

pushab

Sclose

calls

blbs ret

blbs

movi

movl

movl

pushl

pushl

pushl

cmol

biss

insv

ret

brb

tsti

beal

movzwl

bbs

prp

pushl

pushal

pushal

calls

addl2

blbc

clrl

clrl

movl

calls

; if error, fail :indicate no kcbs

:free kcbs

remove file from open file queue, set it not open and return

:push address of length

01

01

PL

1-1

0

(1)

L 14

16-SEP-1984 02:11:51 VAX/VMS Macro V04-00 6-SEP-1984 11:36:29 [PLIRTL.SRC]FLICLOSE.MAR;1

198 : 199 85\$: 200 110\$: 201 202 203 0127 0127 012A 012D 012E 012E remque (r2), 2 movl #1, r0 ret 52 50 0F D0 04 62 01 .end

;remove fcb from queue ;set success ;return

Page

(1)

```
M 14
    PLISCLOSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                          16-SEP-1984 02:11:51 VAX/VMS Macro V04-00 
6-SEP-1984 11:36:29 [PLIRTL.SRC]PLICLOSE.MAR;1
                                                                                                                                                                                                     - pl1 runtime close file
      Symbol table
                                                                                                                                                                                                                                                                                                                                                               KCB W LEN2
KCB W LEN3
KCB W LEN5
KCB W LEN6
KCB W LEN7
KCB W POSO
      $$.TMP1
                                                                                                                                                                                                = 00000001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       00000012
   SS.TMP2

ATR M BFALL

ATR M INPUT

ATR M OPENED

ATR V OPENED

ATR V OPENED

ATR V PRINT

ATR V PRINT

ATR V PRINT

ATR V PRINT

ENV L FILEIDTO

ENV L FILEIDTO

ENV L STATUS

ENV M CLOSE

ENV W OWNGROUP

EN
                                                                                                                                                                                               = 00000000
= 00000000
= 00000040
      $$.TMP2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0000001A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0000001E
00000022
00000026
                                                                                                                                                                                                = 00000002
                                                                                                                                                                                                = 00001000
                                                                                                                                                                                                = 00000010
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       00000008
                                                                                                                                                                                                = 00000001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       00000000
                                                                                                                                                                                                = 00000007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       00000010
                                                                                                                                                                                               = 00000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       00000014
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NAMSB_ESC
                                                                                                                                                                                                = 00000040
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 02
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PLISCLOSE
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2002025
2002025
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                                                                                                                                                                                                            000001C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ******
                                                                                                                                                                                                                                                                                                                                                                 PLIS ERROR
PLIS PARM
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                                                                                                                                                                                                            00L 2003D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ******
                                                                                                                                                                                                                                                                                                                                                                 PLIS VIRMEMDEAL
                                                                                                                                                                                                            000000A6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ******
                                                                                                                                                                                                            63000940
                                                                                                                                                                                                                                                                                                                                                                  SIZ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            = 00000001
FCB_B_IDENT_NAM
FCB_B_NAM
FCB_B_NAM
FCB_B_NUMKCBS
FCB_C_LEN
FCB_C_STRLEN
FCB_L_BUF
FCB_L_BUF
FCB_L_BUF
FCB_L_CONDIT
FCB_L_CONDIT
FCB_L_CONDIT
FCB_L_ERROR
FCB_L_ERROR
FCB_L_ERROR
FCB_L_PRN
FCB_L_PRN
FCB_L_PRN
FCB_U_DINE
FCB_U_DINE
FCB_U_DINE
FCB_U_DINE
FCB_U_DENT_LEN
FCB_U_LINE
FCB_U_LI
                                                                                                                                                                                                            L0000042
                                                                                                                                                                                                                                                                                                                                                                  SYS$CLOSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 02
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                                                                                                                                                                                                            0000U0F6
                                                                                                                                                                                                            00000030
                                                                                                                                                                                                            0000062
                                                                                                                                                                                                            000001c2
                                                                                                                                                                                                            00000034
                                                                                                                                                                                                            0000000C
                                                                                                                                                                                                            00000014
                                                                                                                                                                                                            00000018
                                                                                                                                                                                                            0000001C
                                                                                                                                                                                                            000001B2
                                                                                                                                                                                                            000001AE
                                                                                                                                                                                                            00000010
                                                                                                                                                                                                            0000003
                                                                                                                                                                                                            00000038
                                                                                                                                                                                                            00000000
                                                                                                                                                                                                            00000004
                                                                                                                                                                                                            00000034
                                                                                                                                                                                                            00000020
                                                                                                                                                                                                            000002E
                                                                                                                                                                                                            000000040
                                                                                                                                                                                                            00000030
                                                                                                                                                                                                            0000002A
                                                                                                                                                                                                            00000032
                                                                                                                                                                                                            00000020
```

00000028 0000002C 00000000 00000004 00000028 000000CA 000000E

```
- pl1 runtime close file
```

16-SEP-1984 02:11:51 VAX/VMS '. o V04-00 Page 7 6-SEP-1984 11:36:29 [PLIRTL.S' PLICLOSE.MAR;1 (1)

	_	_	-	_	_	_	_	_	_	_	_	_	••	_	•	•	•
		P	S	e	C	t		S	y	n	0	p	S	i	5		!
•	_	-	-	-	•	-	•	•	•	•	-	-	-	_	-	-	٠

PSECT name	Allocation	PSECT No. At	Attributes
ABS . SABSS _PLISCODE	00000000 (0.) 00000102 (450.) 0000012E (302.)	00 (0.) NO 01 (1.) NO 02 (2.)	NOPIC USR CON ABS LCL NOSHR NOEYE NORD NOWRT NOVEC BYTE NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE PIC USR CON REL LCL SHR EXE RD NOWRT NOVEC LONG

Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	9	00:00:00.03	00:00:01.09
Command processing	7 2	00:00:00.47	00:00:06.16
Pass 1	176	00:00:06.10	00:00:23.63
Symbol table sort	0	00:00:00.63	00:00:02.03
Pass 2	41	00:00:01.05	00:00:04.54
Symbol table output	9	00:00:00.08	00:00:00.08
Psect synopsis output	2	00:00:00.02	00:00:00.02
Cross-reference output	_ 0	00.00.00.00	00:00:00.00
Assembler run totals	309	00:00:08.38	00:00:37.55

The working set limit was 900 pages.
30745 bytes (61 pages) of virtual memory were used to buffer the intermediate code.
There were 30 pages of symbol table space allocated to hold 516 non-local and 16 local symbols.
203 source lines were read in Pass 1, producing 13 object records in Pass 2.
18 pages of virtual memory were used to define 16 macros.

! Macro library statistics !

Macro library name

Macros defined

\$255\$DUA28:[PLIRTL.OBJ]PLIRTMAC.MLB;1 \$255\$DUA28:[SYSLIB]STARLET.MLB;2 TOTALS (all libraries)

13

593 GETS were required to define 13 macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=TRACEBACK/LIS=LIS\$:PLICLOSE/OBJ=OBJ\$:PLICLUSE MSRC\$:PLICLOSE/UPDATE=(ENH\$:PLICLOSE)+LIB\$:PLIRTMAC/L

0306 AH-BT13A-SE

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